



BY: jrasmussen

PROJECT DESCRIPTION	EQUIPMENT LIST "A"		EQUIPMENT LIST "B"																																					
<p><u>GENERAL</u></p> <p>THIS PORTION OF THE PROJECT INVOLVES UPGRADING THE EASTBOUND U.S. 40 HAZARD IDENTIFICATION BEACON TO A "SIGNAL AHEAD - PREPARE TO STOP WHEN FLASHING" WARNING DEVICE INTERCONNECTED TO THE CONTROLLER AT THE U.S. 40 AND MARIOTTSVILLE ROAD INTERSECTION IN HOWARD COUNTY, MARYLAND. U.S. 40 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION.</p> <p><u>INTERSECTION OPERATION</u></p> <p>U.S. 40 (BALTIMORE PIKE) AND MARIOTTSVILLE ROAD</p> <p>THE INTERSECTION OPERATION WILL REMAIN THE SAME.</p> <p><u>CONTROLLER REQUIREMENTS</u></p> <p>THE EXISTING U.S. 40 AND MARIOTTSVILLE ROAD POLE MOUNTED CABINET AND CONTROLLER SHALL BE USED AND A TELEMETRY INTERFACE PANEL INSTALLED.</p>	<p>A. EQUIPMENT TO BE SUPPLIED BY THE SHA</p> <table><thead><tr><th>ITEM NO.</th><th>QUANTITY</th><th>DESCRIPTION</th></tr></thead><tbody><tr><td>9000</td><td>1 EACH</td><td>TELEMETRY INTERFACE PANEL</td></tr><tr><td>9571</td><td>55 S.F.</td><td>SHEET ALUMINUM SIGNS TO CONSIST OF : - 1 EACH W3-3(2) SIGN (BLK/FY) (120' IN. x 48 IN.) - MAST ARM MOUNT - 1 EACH ASSOCIATED SHIELD ASSEMBLY "TO, WEST, UP ARROW, INTERSTATE, EAST, RIGHT ARROW" (24 IN. x 90 IN.) - POLE MOUNT</td></tr></tbody></table>		ITEM NO.	QUANTITY	DESCRIPTION	9000	1 EACH	TELEMETRY INTERFACE PANEL	9571	55 S.F.	SHEET ALUMINUM SIGNS TO CONSIST OF : - 1 EACH W3-3(2) SIGN (BLK/FY) (120' IN. x 48 IN.) - MAST ARM MOUNT - 1 EACH ASSOCIATED SHIELD ASSEMBLY "TO, WEST, UP ARROW, INTERSTATE, EAST, RIGHT ARROW" (24 IN. x 90 IN.) - POLE MOUNT	<p>B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR</p> <table><thead><tr><th>ITEM NO.</th><th>QUANTITY</th><th>DESCRIPTION</th></tr></thead><tbody><tr><td>1001</td><td>1 EACH</td><td>MAINTENANCE OF TRAFFIC PER ASSIGNMENT</td></tr><tr><td>8004</td><td>1 EACH</td><td>2 IN. BLIND COUPLING</td></tr><tr><td>8012</td><td>1 EACH</td><td>CONDUIT BEND IN EXISTING BASE</td></tr><tr><td>8017</td><td>1 EACH</td><td>REMOVE AND DISPOSE OF EQUIPMENT</td></tr><tr><td>8026</td><td>1315 L.F.</td><td>UP TO 4 INCH SCHEDULE 80 RIGID PVC CONDUIT-TRENCHED</td></tr><tr><td>8044</td><td>5 EACH</td><td>FURNISH AND INSTALL ELECTRICAL HANDHOLE</td></tr><tr><td>8046</td><td>55 S.F.</td><td>INSTALL OVERHEAD SIGN</td></tr><tr><td>8060</td><td>1475 L.F.</td><td>ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 A.W.G.)</td></tr></tbody></table>		ITEM NO.	QUANTITY	DESCRIPTION	1001	1 EACH	MAINTENANCE OF TRAFFIC PER ASSIGNMENT	8004	1 EACH	2 IN. BLIND COUPLING	8012	1 EACH	CONDUIT BEND IN EXISTING BASE	8017	1 EACH	REMOVE AND DISPOSE OF EQUIPMENT	8026	1315 L.F.	UP TO 4 INCH SCHEDULE 80 RIGID PVC CONDUIT-TRENCHED	8044	5 EACH	FURNISH AND INSTALL ELECTRICAL HANDHOLE	8046	55 S.F.	INSTALL OVERHEAD SIGN	8060	1475 L.F.	ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 A.W.G.)
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<p><u>MAINTENANCE OF TRAFFIC</u></p> <p>THE FOLLOWING TRAFFIC CONTROL STANDARDS SHALL BE REFERENCED FOR THE PROJECT.</p> <p>STANDARD NO. MD-104.04-01 (SHOULDER WORK) STANDARD NO. MD-104.04-03 (LEFT LANE CLOSURE) STANDARD NO. MD-104.04-05 (RIGHT LANE CLOSURE)</p>	<p><u>EQUIPMENT LIST "C"</u></p> <p>C. EQUIPMENT TO BE REMOVED AND RETURNED TO SHA</p> <p>ALL REMOVED SIGNAL MATERIALS SHALL BECOME PROPERTY OF THE CONTRACTOR</p>		<p><u>SIGN DETAIL</u></p> <p>SIGN NO. 17 (120" x 48")</p>																																					
<p><u>PROJECT CONTACTS</u></p> <p>THE CONTACT PERSONS FOR SHA ARE AS FOLLOWS:</p> <table><tbody><tr><td>MR. JOHN CONCANNON ASSISTANT DISTRICT ENGINEER - TRAFFIC PHONE: (301) 624-8140</td><td>MS. ANDREA ABEND DISTRICT UTILITY ENGINEER PHONE: (301) 624-8115</td></tr><tr><td>MR. RAY JOHNSON ASSISTANT DISTRICT ENGINEER - MAINTENANCE PHONE: (301) 624-8105</td><td>MR. RICHARD L. DAFF, SR. CHIEF, TRAFFIC OPERATIONS DIVISION PHONE: (410) 787-7630</td></tr></tbody></table>	MR. JOHN CONCANNON ASSISTANT DISTRICT ENGINEER - TRAFFIC PHONE: (301) 624-8140	MS. ANDREA ABEND DISTRICT UTILITY ENGINEER PHONE: (301) 624-8115	MR. RAY JOHNSON ASSISTANT DISTRICT ENGINEER - MAINTENANCE PHONE: (301) 624-8105	MR. RICHARD L. DAFF, SR. CHIEF, TRAFFIC OPERATIONS DIVISION PHONE: (410) 787-7630	<p><u>WIRING DIAGRAM</u></p>																																			
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<p><u>WIRING KEY</u></p> <p>A } 5-CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)</p>		<p>WR&A Whitman, Requardt and Associates, LLP Engineers, Architects and Planners 801 South Caroline Street Baltimore, Maryland 21231 (410) 235-3450</p>		<table><thead><tr><th colspan="2">REVISIONS</th></tr></thead><tbody><tr><td> </td><td> </td></tr></tbody></table>	REVISIONS				<table><thead><tr><th colspan="4">GENERAL INFORMATION SHEET</th></tr></thead><tbody><tr><td colspan="4">SCALE NONE DATE 12/15/06 CONTRACT NO. AT9255185</td></tr><tr><td colspan="2">DESIGNED BY J.RASMUSSEN</td><td colspan="2">COUNTY HOWARD</td></tr><tr><td colspan="2">DRAWN BY J.RASMUSSEN</td><td colspan="2">LOGMILE 13004013.32</td></tr><tr><td colspan="2">CHECKED BY N.LEARY</td><td colspan="2">TIMS NO. H936</td></tr><tr><td colspan="2">FAP NO.</td><td colspan="2">TOD NO.</td></tr><tr><td>TS NO. 1822H</td><td>DRAWING TSP-2</td><td>OF 2</td><td>SHEET NO. 2 OF 2</td></tr></tbody></table>	GENERAL INFORMATION SHEET				SCALE NONE DATE 12/15/06 CONTRACT NO. AT9255185				DESIGNED BY J.RASMUSSEN		COUNTY HOWARD		DRAWN BY J.RASMUSSEN		LOGMILE 13004013.32		CHECKED BY N.LEARY		TIMS NO. H936		FAP NO.		TOD NO.		TS NO. 1822H	DRAWING TSP-2	OF 2	SHEET NO. 2 OF 2			
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<p>TOD NO: AT925-11 SHA No.: HO403A52/B52 US 40 @ Marriottsville Road</p>				<p>SHA STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION OFFICE OF TRAFFIC & SAFETY TRAFFIC ENGINEERING DESIGN DIVISION US 40 (BALTIMORE PIKE) AND MARIOTTSVILLE ROAD</p>																																				
<p>PLOTTED: Wednesday, February 21, 2007 AT 10:06 AM FILE: N:\31550-04\CAD\DrawSG-A002_US40.dgn</p>																																								